In The Claims:

Please Amend the Claims as Follows:

1. (Currently Amended) A scanning system comprising:

a mount;

a detector coupled to said mount and detecting a first X-ray flux and a second X-ray flux and generating at least one detector signal therefrom;

a first emitter coupled to said mount and generating said first X-ray flux at a first angle relative to said detector;

a second emitter coupled to said mount and generating said second X-ray flux at a second angle relative to said detector, wherein each emitter is collimated to view an entire field of view of said detector; and

a computer activating said first emitter and said second emitter for electronic scanning such that said first emitter and said second emitter are activated in a source pattern including at least one of a sequential pattern, a random pattern, a simultaneous pattern, or a partial scan pattern, said computer receiving said at least one detector signal and generating an image signal therefrom.

2. (Original) The system of claim 1 further comprising: a mount motor controller, wherein said mount comprises a platform moving said first emitter and said second emitter in response to signals from said mount motor controller.

3. (Original) The system of claim 1, wherein said mount further defines a holding area for supporting patient tissue.

4. (Original) The system of claim 1, wherein said detector further comprises a plurality of modules receiving said first X-ray flux and said second X-ray flux.

5. (Currently Amended) The system of claim 1, further comprising at least one of a liquid cooling system, wherein said detector is cooled by said liquid cooling system and a cooling system directly cooling an anode of the scanning system.

6. (Original) The system of claim 1, further comprising a plurality of stationary X-ray sources generating a plurality of respective X-ray fluxes at varying angles with respect to said detector.

7. (Cancelled)

8. (Original) The system of claim 1, wherein said angle through which said first emitter and said second emitter sweep include a number of emission flux angles but not necessarily all angles required for a particular application.

9. (Original) The system of claim 1, wherein said computer generates said image signal as a function of emitter exposure time and a detector readout.

10. (Original) The system of claim 1, wherein said first emitter and said second emitter electronically gate said first X-ray flux and said second X-ray flux.

11. (Currently Amended) The system of ~~claim1~~ claim 1, wherein said first emitter and said second emitter comprise at least one of ~~several~~ technologies comprising emission, spindt tips, thermal emission filaments, or electron gun.

12. (Original) The system of claim 1 further comprising a stationary pre-patient collimator aligning said first X-ray flux and said second X-ray flux with respect to said detector.

13. (Currently Amended) A mammography scanning system having a detector comprising:

an arc-shaped support system;

a plurality of X-ray emitters adapted to generate a plurality of X-ray fluxes, said plurality of X-ray emitters coupled to said arc-shaped support system and arranged in an arc formation and directed towards a common focus at varying angles with respect to said focus, wherein each of said plurality of X-ray emitters is collimated to view an entire detector field of view.

14. (Original) The system of claim 13, wherein said angle through which said first emitter and said second emitter sweep

include a number of emission flux angles but not necessarily all angles required for a particular application.

15. (Original) The system of claim 13, wherein said plurality of X-ray emitters electronically gate said plurality of X-ray fluxes.

16. (Currently Amended) A scanning system comprising:

a mount comprising a platform, wherein said mount further defines a holding area for supporting patient tissue;

a mount motor controller moving at least one of said mount or said platform in response to adjustment signals,

a detector coupled to at least one of said mount or said platform and comprising a plurality of modules receiving a plurality of X-ray fluxes and generating detector signals therefrom;

~~a plurality of~~ at least three X-ray sources coupled to said platform and arranged in an arc such that said at least three X-ray sources [[and]] generating said plurality of X-ray signals for at least three different angles along said arc ~~at various angles~~ with respect to said detector; and

a computer generating said adjustment signals as a function of parameters of said patient tissue, said computer further generating an image signal as a function of said detector signals.

17. (Original) The system of claim 16, wherein said mount is arranged for a scanning procedure comprising at least one of

mammography, computed tomography (CT), vascular X-ray imaging, bone scanning, weld inspection, or metal inspection.

18. (Original) The system of claim 16, further comprising at least one of a liquid cooling system, a common conditioner for said sources and said detector, or multiple chillers for said sources and said detector.

19. (Original) The system of claim 16, wherein said plurality of X-ray sources electronically gate said plurality of X-ray fluxes.

20. (Cancelled)